Code No: **V3217**   **R07**   Set No. 1

III B.Tech II Semester Supplementary Examinations, April - 2017
TELECOMMUNICATION SWITCHING SYSTEMS
(Electronics and Communication Engineering)

Time: 3 hours   Max. Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1	a)	Draw and explain 3X3 crossbar switching principal.	[8M]
	b)	What is different switching network configuration? Compare their features.	[8M]
2	a)	Explain n-stage combination switching.	[8M]
	b)	Explain Time division multiplexing.	[8M]
3	a)	Describe the Switching Hierarchy and Routing used in telephone networks.	[8M]
	b)	Write about Coaxial cable Transmission system.	[8M]
4	a)	Explain briefly about signaling techniques.	[8M]
	b)	Explain Grade of Service and Blocking probability.	[8M]
5	a)	Explain in detail the various components of data communication networks.	[8M]
	b)	Explain UART Transmitter.	[8M]
6	a)	Explain public switched data networks.	[8M]
	b)	Explain virtual circuit switching concept.	[8M]
7	a)	Explain ISDN protocol architecture.	[8M]
	b)	Explain the difference between ISDN and BISDN.	[8M]
8	a)	Write Short notes on i) CMTS ii) SONET	[8M]
	b)	Write about ADSL and Cable modem.	[8M]

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